Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) In a network comprising

a plurality of store nodes where transaction log data is collected, and

an enterprise node connected to each store node, wherein the enterprise node comprises data on all the store nodes;

a method for converting ~~the raw business~~ transaction log data to transformed data, the method comprising:

determining a period of time when the ~~raw business~~ transaction log data is to be processed;

determining at one of the plurality of store nodes whether to process the transaction log data in the store node based on relevant store node processing conditions, wherein the store node processing conditions comprise a need for the transformed data in the store node and an availability of processing resources for processing in the store node during the period of time;

processing the transaction log data in the store node if the local processing conditions are satisfied; and

sending the transaction log data to the enterprise node for processing there if the local processing conditions are not satisfied, wherein the enterprise node comprises data on all of the store nodes.

2. (Currently amended) The method of claim 1, wherein the period of time is ~~a predetermined~~ an interval selected by a programmer.

3. (Currently amended) The method of claim 1, wherein the period of time is based on an amount of the transaction log data accumulated.

4. (Previously presented) The method of claim 1 wherein the processing comprises transforming the transaction log data to the transformed data comprising a transformed format.

5. (Original) The method of claim 4 wherein the transformed data format is XML.

6. (Original) The method of claim 4 wherein the transformed data format is IXRetail.

7. (Original) The method of claim 4 wherein the transformed data format comprises POSLog data.

8. (Previously presented) The method of claim 1 wherein the transaction log data comprises sales-related data.

9. (Previously presented) The method of claim 1 wherein the method further comprises
        transforming the ~~raw~~ transaction log data into the transformed data format at the store node if the conditions are met.

10. (Previously presented) The method of claim 1, wherein the processing step comprises parsing the transaction log data to extract data from each of a plurality of fields.

11. (Currently amended) The method of claim 1, wherein sending the data to the enterprise node for processing, if ~~none of the~~ no optimal conditions are satisfied, further comprises converting the transaction log data to a transformed data format and entering the transformed data into a database.

12. (Previously presented) The method of claim 1 wherein determining whether to process the transaction log business data is done at the store node.

13. (Previously presented) The method of claim 1 wherein determining whether to process the transaction log business data is done at the enterprise node.

14. (Cancelled)

15. (Currently amended) The method of claim 1 further comprising ~~wherein sending the transaction log business data to the enterprise node for processing comprises~~ sending the transaction log ~~raw business~~ data to another store ~~the enterprise~~ node for parsing there~~, data format transformation and database storage~~.

16. (Previously presented) The method of claim 1 wherein determining whether to process the transaction log data in the store node is done at the frequency of transaction log transfers to the enterprise node.

17. (Currently amended) The method of claim 1 wherein local processing conditions further comprise ~~include~~ the available processing bandwidth of the network for transmitting the data to the enterprise node.

18. (Currently amended) An in store information processing system comprising:

a point of sale controller <u>configured for</u> processing <s>sales-related</s> <u>transaction log</u> data;

a memory for storing <u>the</u> transaction log data; and

a communication subsystem coupled to an enterprise node for transmitting the <u>transaction log</u> <s>raw</s> data to the enterprise node;

wherein the point of sale controller comprises

logic for determining a period of time when the transaction log data is to be processed, and for determining whether to process the transaction log data in the store node based on store node processing conditions, wherein the store node processing conditions comprise one of a need for the transformed data in the store node and a demand for processing in the store node during the period of time.

19. (Previously presented) The information processing system of claim 18 wherein the logic comprises program code instructions for execution by the point of sale controller.

20. (Original) The information processing system of claim 18 wherein the logic comprises an application-specific integrated circuit.

21. (Previously presented) The information processing system of claim 18 wherein the point of sale controller is part of a point of sale terminal.

22. (Previously presented) A computer readable medium comprising program instructions for:

collecting transaction log data at a store node in a network, wherein the transaction log data comprises raw information relating to transactions conducted at the store node;

determining a period of time when the raw information is to be processed for conversion to transformed data;

determining whether to process the transaction log data in the store node based on local processing conditions, wherein the local processing conditions comprise a need for the transformed data in the store node and a demand for processing in the store node during the period of time;

converting the raw information to transformed data in the store node if either of the conditions is met; and

sending the raw information to an enterprise node for conversion to transformed data if none of the optimal conditions are satisfied.

23. (Currently amended) In a network comprising

a plurality of store nodes where ~~raw business~~ transaction log data is collected, wherein each store node comprises information relating to transactions conducted at the store node, and an enterprise node comprising information on all store nodes and connected to the store node, a method for converting the ~~raw business~~ transaction log data to transformed data, the method comprising:

monitoring the availability of ~~raw business~~ the transaction log data at the store node;

determining whether to transform the ~~raw business~~ the transaction log data to transformed data based on relevant enterprise node conditions, and based on relevant store node conditions, wherein relevant store node conditions comprise the need for the transformed data at the store node and the availability of processing resources to process the transaction log data at the store node; and

transforming the ~~raw business~~ the transaction log data to transformed data at the enterprise node when any of the relevant enterprise node conditions is satisfied.

24. (Currently amended) The method of claim 23 wherein the relevant enterprise node conditions comprise any of availability of processing resources to process the ~~raw business~~ the transaction log data at the enterprise node and the relative cost of processing the ~~raw business~~ the transaction log data at the enterprise as opposed to the store node.

25. (Cancelled)

26. (Currently amended) The method of claim 23 wherein the determining element comprises considering relevant network conditions and wherein relevant network conditions comprise the availability of bandwidth to transport the ~~raw business~~ the transaction log data from the store node to the enterprise node.

27. (Previously presented) The method of claim 23 wherein the store node comprises a retail sales operation and the enterprise node is coupled to the store node by a network.

28. (Currently amended) The method of claim [[25]] 23 wherein the transforming element comprises transforming the ~~raw business~~ the transaction log data to transformed data at the store node when any of the relevant store node conditions are satisfied.